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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: August 4, 2004

(use as many sheets as necessary)

Complete if Known

Application Number	10/784,159
Filing Date	02/24/2004
First Named Inventor	Nobuya HARANO
Group Art Unit	2821
Examiner Name	Unknown T. H.
Attorney Docket Number	016778-0473

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
T.H.	B1	2002/0021248	A1	YING et al.	02-21-2002	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
T.H.	B2	JP	11-330842	A	IDO CORP.	11-30-1999		Abs.
T.H.	B3	WO	02/13307	A1	TELEFONAKTIEBOLAGET L MERICSSON	02-14-2002		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
T.H.	B4	K. HIROSE et al., "A TWO-WIRE SPIRAL ANTENNA WITH UNBALANCED FEED", Tokyo Denki University, College of Science and Engineering, pages 128-131, IEEE 2001, XP 10564599A1.	

Examiner
Signature

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

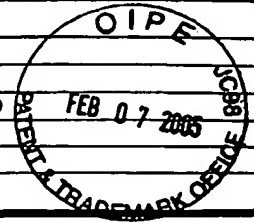
⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Group Art Unit	2821
Examiner Name	Wong, Don K.
Attorney Docket Number	016778-0473

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